

UPDATE OF CITY ARTERIAL PRESERVATION RATINGS

BRIEFING PAPER

Prepared for the
April 2005 Transportation Commission Meeting

Prepared & Presented by: Bob Brooks, Pavement Tech. Engineer, H&LP
Reviewed by: Kathleen Davis, Director, Highways & Local Programs
Approved by: Paula Hammond, Chief of Staff

PURPOSE:

The purpose of this briefing paper is to update the Commission on the outcome of the 03-05 biennium's city arterial condition data collection efforts.

ACTION/OUTCOME:

Communicate the condition of the arterial network.

BACKGROUND:

In 2003, the Legislature adopted Substitute Senate Bill 5248 regarding a variety of transportation reforms. Part three of the legislation required local governments and transit agencies to provide the Transportation Commission with preservation and maintenance information. More specifically, the legislation required cities and towns to report the condition of their arterial network to the Transportation Commission each biennium. (RCW 46.68.113). In April 2004, the Commission received a briefing on the Department's work plan for accomplishing these requirements.

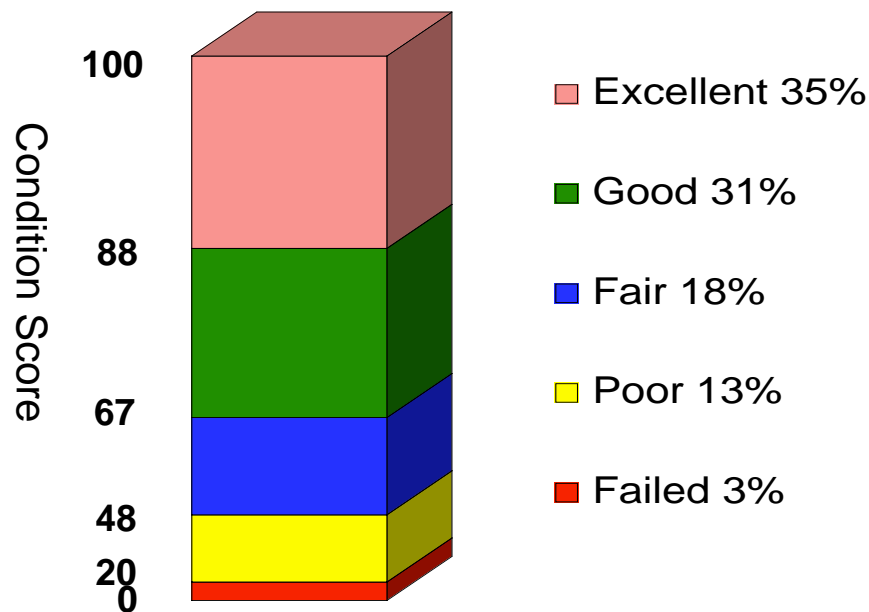
STATUS OF CITY ARTERIAL NETWORK:

The city and town street network comprises approximately 16,190 centerline miles in Washington, including 1,988 miles of federally classified arterial routes. The Department of Transportation and Highways and Local Programs partnered with the Association of Washington Cities to develop and implement a work plan to track pavement conditions on the arterial network. This will establish a quantitative condition rating for the arterials statewide and to allow for tracking changes in the pavement condition over time.

- Collected arterial data from 27 cities totaling 1,599 centerline miles or 80 percent of the statewide network.
- The average condition score is 73, with individual cities ranging from a low of 56 to a high of 91.

- 72 percent of the pavement surface area is hot mix asphalt, 17 percent is asphalt over concrete, 9 percent is Portland cement concrete, and 2 percent is bituminous surface treatment (chips seals).
- The percent of pavement mileage by condition groups is as follows:

Pavement Within Condition Groups



Source: Pavement condition reported by cities in 2004.

- 66 percent of the pavements are in the Excellent to Good categories. These pavements are in prime condition to benefit from preservation strategies; i.e. crack sealing, slurry seals, chip seals, and thin hot mix asphalt overlays.
- 34 percent of the pavements are in the Failed to Fair categories. These pavements will require substantially more investment to maintain at their current condition and improve to a target condition rating of 70, which is within the range for lowest-life-cycle cost benefits.

For further information, contact Paula Hammond, Chief of Staff, 360-705-7027 or Kathleen Davis, Highways & Local Programs Director, 360-705-7871.